

# Coronis 5MP (MDCG-5121)

5 MegaPixel premium diagnostic grayscale display system



The high-grade Coronis 5MP display system offers unsurpassed film-like images with ultra-high resolution, luminance and contrast. The 21.3" LCD provides unequalled image quality without pixelization, a wide viewing angle and perfect geometry.

## Grayscale technology perfected

Building on proven technology, Barco's Coronis 5MP provides ultimate precision and performance. The advanced 10-bit architecture ensures accurate image representations with 1024 simultaneous shades of gray out of a palette of 4096.

## Transparent calibration and Quality Assurance

The Coronis 5MP is bundled with MediCal QAWeb for automated calibration and QA, ensuring continuous diagnostic quality and maximum uptime of your workstation. MediCal QAWeb allows you to continue diagnoses while automated QA checks are being executed. The system also includes a secure online web service for remote, centralized image quality management.

**BARCO**

Visibly yours

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## Worry-free DICOM compliance under all lighting conditions

The integrated **I-Guard** continually guards and adjusts the luminance output of the diagnostic viewing area. Combined with the MediCal QAWeb software, the patented I-Guard brings fast and easy calibrations, automatic Quality Assurance testing and remote diagnoses of the display.

The intelligent **Ambient Light Compensation (ALC)** system assures that the Corionis 5MP remains DICOM compliant under all lighting conditions by adapting their brightness relative to the ambient light conditions.

## Product specifications

## Coronis 5MP (MDCG-5121)

<b>Screen technology</b>	TFT AM LCD Dual Domain IPS
<b>Active screen size (diagonal)</b>	540.9 mm (21.3")
<b>Active screen size (H x V)</b>	422.4 mm x 377.9 (16.5 x 13.3")
<b>Aspect ratio (H:V)</b>	5:4
<b>Resolution</b>	5MP (2560 x 2048)
<b>Pixel pitch</b>	0.1650 mm
<b>Color imaging</b>	No
<b>Gray imaging</b>	Yes
<b>Number of grayscales (LUT in/LUT out)</b>	1024 gray levels (10/12)
<b>Viewing angle (H, V)</b>	170°
<b>Uniform Luminance Technology (ULT)</b>	Yes
<b>Per Pixel Uniformity (PPU)</b>	No
<b>Ambient Light Compensation (ALC)</b>	Yes
<b>Backlight Output Stabilization (BLOS)</b>	Yes
<b>I-Guard</b>	Yes
<b>Maximum luminance</b>	1100 cd/m <sup>2</sup> (panel typical)
<b>DICOM calibrated luminance (ULT off)</b>	500 cd/m <sup>2</sup>
<b>Contrast ratio (ULT off)</b>	850:1 (typical)
<b>Response time (Tr + Tf)</b>	36 ms (typical)
<b>Video input signals</b>	DVI-D Dual Link / DisplayPort (per display)
<b>USB ports</b>	1 upstream (endpoint), 3 downstream
<b>USB standard</b>	2.0
<b>Power consumption (nominal)</b>	70W
<b>Power save mode</b>	Yes
<b>Dimensions with stand (W x H x D)</b>	Portrait: 392 x 558,2~658,2 x 110,2mm Landscape: 484,7 x 465,5~565,5 x 110,2 mm
<b>Dimensions w/o stand (W x H x D)</b>	Portrait: 392 x 484.7 x 110.2 mm Landscape: 484.7 x 392 x 110.2 mm
<b>Net weight with stand</b>	15.3 kg
<b>Mounting standard</b>	VESA (100 mm)
<b>Screen protection</b>	Protective, non-reflective glass cover
<b>Recommended modalities</b>	CT, MR, US, DR, CR, NM, Film
<b>Certifications</b>	CE0120 (MDD 93/42/EEC class IIb product), CE -2004/108/EC, CE - 93/42/EEC; A1:2007/47/EC class II b, UL 60601-1 1ST EDITION, CAN/CSA-C22.2 NO.601.1-M90 2005, IEC 60601-1 2ND ED:1988 + A1:1991+ A2:1995, IEC 60950-1:2005 2ND EDITION, DEMKO -EN 60601-1:1990 + A1:1993 + A2:1995, CCC - GB9254-2008 + GB4943-2001 + GB17625.1-2003, VCCI, FCCclass B, BSMI, FDA 510K, RoHS, KC
<b>Supplied accessories</b>	User Guide Quick-Installation Sheet Video cables (1 x DVI Dual Link + 1 x DisplayPort) Main cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC)) USB 2.0 cable External power supply
<b>Optional accessories</b>	NA
<b>QA software</b>	MediCal QAWeb
<b>Warranty</b>	5 years